Comparisons of Job Characteristics

Focus Occupation: Network Systems and Data Communications Analysts (15-1081)
Associated Occupation: Computer Support Specialists (15-1041)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Network Systems and Data Communications Analysts (15-1081)
Associated Occupation: Computer Support Specialists (15-1041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	22.0	21.2	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	18.9	13.4	<<	Extensive education and/or training may be required
Clerical	7.3	11.8	9.3	<	Expanded education and/or training may be required
Telecommunications	3.9	11.2	17.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 53

Focus Occupation: Network Systems and Data Communications Analysts (15-1081)
Associated Occupation: Computer Support Specialists (15-1041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Instructing	7.8	10.3	9.4	0	Current skill level may be sufficient
Troubleshooting	4.5	7.7	10.3	>>	Skill level is likely more than sufficient
Installation	1.7	3.9	4.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Network Systems and Data Communications Analysts (15-1081) Associated Occupation: Computer Support Specialists (15-1041)				
Associated Occupation's Key Abilities Elements	**Average Rating, All Occupations**	**Associated Occupation's Rating**	**Focus Occupation's Rating**	**Evaluation of Focus Occupation**
Oral Comprehension	12.5	14.3	12.7	< Some improvement in abilities may be required
Oral Expression	12.4	14.3	11.7	< Some improvement in abilities may be required
Written Comprehension	11.0	12.9	10.6	< Some improvement in abilities may be required
Written Expression	9.8	11.6	9.9	< Some improvement in abilities may be required
Near Vision	11.1	11.5	10.6	0 Current ability level may be sufficient
Information Ordering	9.9	11.2	11.6	0 Current ability level may be sufficient
Problem Sensitivity	11.1	10.8	12.0	> Current ability level is likely sufficient
Inductive Reasoning	10.2	10.7	10.7	0 Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Network Systems and Data Communications Analysts (15-1081)
Associated Occupation: Computer Support Specialists (15-1041)

Work Activities	Exclusivity of Activity
Adjust computer operation system	84
Communicate technical information	4
Configure computers in industrial or manufacturing setting	89
Evaluate computer system user requests or requirements	81
Follow data security procedures	77
Follow data storage procedures	75
Maintain or repair computers or related equipment	81
Monitor computer operation	85
Perform minor repairs to hardware, software, or peripheral equipment	95
Program computers using existing software	85
Provide technical computer training	82
Provide technical support to computer users	80
Recommend purchase or repair of furnishings or equipment	78
Recommend software or hardware purchases	85
Select business applications for computers	89
Test computer programs or systems	78
Train workers in use of computer and related equipment	95
Train workers in use of equipment	87
Understand computer equipment operating manuals	84
Use computer networking technology	81

Use computers to enter, access or retrieve data	3
Use knowledge of mainframe computers	78
Use spreadsheet software	18
Use word processing or desktop publishing software	17
Write computer software, programs, or code	84

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Network Systems and Data Communications Analysts (15-1081)
Associated Occupation: Computer Support Specialists (15-1041)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Electronic and communication measuring and testing instruments	14
Industry specific software	1
Information exchange software	1
Light and wave generating and measuring equipment	4
Media storage devices	21
Network applications software	1
Network management software	37
Networking software	21
Operating environment software	12
Personal communication devices	2
Security and protection software	30
Utility and device driver software	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.